EXPRESS MAIL NO. EV889129626US Sheet 1 of 9

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)

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ATTY, DOCKET NO. 890050-449	APPLICATION NO.
APPLICANTS Hironori Kakiuchi et al.	
FILING DATE November 20, 2003	CROUP ART UNIT

U.S. PATENT DOCUMENTS

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'EXAMINER		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	AA	3,959,799	05/7/5/76	Gambino et al.	346	135	
W	АВ	4,357,616	11/92/82	Terao et al.	346	135.1	
m	AC	4,405,706	09/20/83	Takahashi et al.	430	271	
u	۸D	4,477,819	10/16/84	Lee et al.	346	76 L	
W	ΑE	4,500,889	02/1/9/85	Wada et al.	346	1.1	
M	AF	4,529,991	07/36/85	Wada et al.	346	76 L	
W	۸٥	4,587,533	05/96/86	Nakane et al.	346	135.1	
m	АН	4,609,611	09/02/86	Sigyo et al.	430	270	
M	Al	4,647,947	03/05/87	Takeoka et al.	346	135.1	
M	Ņ	4,670,345	06/92/87	Morimoto et al.	428	411.1	

FOREIGN PATENT DOCUMENTS

		DOCUMENT	DATE	COUNTRY	TRANS	LATION
		NUMBER	DATE	COUNTY	YES	NO
w	AK	1330368 A	01/98/02	China (with English abstract)		
W	۸L	1365108 A	08/7/1/02	China (with English abstract)		
W	ΛМ	0350078 A1	01/19/90	EP		
m	AN	0474311 A1	03/1/192	EP ·		
w	AO	0822543 A1	02/94/98	EP		
m	AP	0947351 B1	09/2/5/02	EP		
w	ΛQ	0978831 A2	02/09/00	EP		
w	AR	1028421 A2	08/1/8/00	ЕР		
an	AS	1139340 B1	06/16/04	ЕР		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

an at	Inoue,	H., et a	l., "Inorganio	: Write-Once	Disc fo	r High Speed	Recording,	" Jpn. J.	Appl. Phys
	Vol. 42	, part	, no. 2B, pp.	1059-1061,	Februar	y 2003.			
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ВА	4,682,321	07/2/1/87	Takaoka e	Alternative Commence	369	284	nsky ste Garacti	
88	4,771,413	09/1/3/88	Nago		369	109		
BC	4,772,897	09/26/88	Ohkawa		346	135.1		
BD	5,194,363	03/1/6/93	Yoshioka	et al.	430	271		
BE	5,208,088	05/04/93	Tominage	ret al.	428	64		
BF	5,297,132	03/2/2/94	Takano e	al.	369	284		
BC	5,325,351	06/28/94	Uchiyamı	a et al.	369	275.1		
вн	5,328,813	07/1/2/194	Strandjor	d et al.	430	321		
Ві	5,401,330	03/28/95	Saito et a		136	259	<u> </u>	
ВЈ	5,414,451	05/09/95	Sugiyama	a et al.	347	258		
		FORE	ign patei	nt documents				
	DOCUMENT NUMBER	DATE		COUNTR	Y :		TRANS	LATION
BK	1154413 A2	11/1/101	EP					
BL	1215669 A2	06/1/9/02	EP					
вм	1351230 A2	10/08/03	EP				:	
BN	2336463	10/20/99	GB					
во	48-73 0000 30	01/05/173	JP					
ВР	03-005929	01/1/1/91	JP (with I	English abstract)				
BQ	03-258590	11/8/91	JP (with l	English abstract)				:
BR	05-159358	06/28/93	JP (with I	English abstract)	-			2000
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-8S R	Narumi, K. e Transmittano	et al., "45 Gl ce Balanced	B Rewritab Structure,"	le Dual-Layer Phas Technical Digest, Taiwan, October I	e-Change C Internations 6-19, 2001	l Symposiur	n on O	ptical
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	BA BB BC BB BF BC BH BI BN BO BP BC BR	DOCUMENT NUMBER BA 4,682,321 BB 4,771,413 BC 4,772,897 BD 5,194,363 BE 5,208,088 BF 5,297,132 BC 5,325,351 BH 5,328,813 BI 5,401,330 BJ 5,414,451 DOCUMENT NUMBER BK 1154413 A2 BU 1215669 A2 BM 1351230 A2 BM 2336463 BO 48-230000 30 BP 03-005929 BQ 03-258590 BR 05-159358 OTHER BS Narumi, K. et al. (Memory 2006) R Memory 2006 R	DOCUMENT NUMBER DATE	### PATENT AND TRADEMARK OFFICE #### PATENT AND DISCLOSURE STATEMENT (Use several sheets If recessary) ###################################	### STATEM AND TRADEMARK OFFICE ### SPOUSO. 449 #### APPLICANTS Hitmonri Kakiuchi et Fri. No Date NAME DOCUMENT NUMBER DATE NAME	### State	### BODGS ### BODGS ### BODGS ### BODGS #### BODGS ##### BODGS #### BODGS ###	### PATENT AND TRADERMARK OFFICE ### PATENT AND TRADERMARK OFFICE #### PATENT DOCUMENTS ### DOCUMENT NUMBER DATE

APPLICATION NO. U.S. DEPARTMENT OF COMMERCE ATTY, DOCKET NO. 10/717,831 PATENT AND TRADEMARK OFFICE 890050,449 APPLICANTS Hironori Kakiuchi et al. INFORMATION DISCLOSURE STATEMENT GROUP ART UNIT (Use several sheets if necessary) FILING DATE garding queen November 20, 2003 1756 U.S. PATENT DOCUMENTS FILING DATE **EXAMINER** CLASS SUBCLASS DATE NAME DOCUMENT NUMBER IF APPROPRIATE INITIAL 10/1/1/95 428 Hintz 64.4 5,458,941 CA 430 270 5,459,018 10/2/7/95 Akahira 428 694 ML 10/9/1/96 5,560,998 Oyamatsu et al. 428 332 Murakami et al. 5,656,370 10/06/98 369 116 5,818,808 Takada et al. CE 02/16/99 Nishida et al. 430 270.11 5.871.881 06/1/5/99 Hirotsune et al. 430 270.13 CG 5,912,104 09/07/99 428 64.1 5,948,496 Kinoshita et al. СН W 09/2/1/99 369 54 5,949,747 Miyashita et al. CI 270.13 09/28/99 430 ά 5,958,649 Hirotsune et al. FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER TRANSLATION COUNTRY YES NO 12/24/93 05-342631 JP (with English abstract) CK 12/2A/93 05-342635 JP (with English abstract) U CM 10-076755 03/24198 JP (with English abstract) 10/2/189 CN 1-270528 JP (with English abstract) UL 2000-187884 07/0/100 JP (with English abstract) co 2000-222764 08/1/1/00 JP (with English abstract) u 10/13/00 CO 2000-285509 JP (with English abstract) 2000-297365 10/24/00 JP (with English abstract) OTHER PRIOR ART (including Author, Title, Date, Portinent Pages, Etc.) Nikkei Electronics, May 12, 2003, pp. 119-133. **EXAMINER** DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applican(s). 879785_1.DOC Date: 05/11/07

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		U.S. DEPARTMENT OF PATENT AND TRADEM			ATTY, DOCKET NO. 890050.449	4	LICATION NO. 717,831		
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·			U.S	PATENT	Documents				
'EXAMINER INITIAL		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING IP APPRO	
a	DA	6,033,752	03/9/1/00	Suzuki et	al.	428	64.1		
u	ĎВ	6,096,399	08/9/100	Yoshinar	i et al.	428	64.1		
ur	DC	6,111,851	08/3/5/00	Ohki et a		369	286		
En	DD	6,143,469	11/9/1/00	Ohta et a		430	270.13		
gr	DE	6,210,860	04/95/01	Fukano e	t al.	430	270.12		
w	DF	6,231,945	05/1/8/01	Miyamot	o et al.	428	64.1		
W	DG	6,245,404	06/1/2/01	Saito et a		428	64.1		
m	DH	6,254,966	07/9/3/01	Kondo		428	156		
as,	ÐI	6,266,299	07 <i>17</i> 4/01	Oshima e	t al.	369	13		
N	ľď	6,278,680	08/2/(/01	Miyauch	et al.	369	112.01	in and the second secon	
ur	DK	6,333,913	12/2/5/01	Yoshinar	i et al.	369	283		
			FORE	ign pate	nt documents				
- '		DOCUMENT NUMBER	DATE	r suffered	COUNTRY			TRANSL YES	NOTAL ON
w	שנ	2001-101709	04/3/3/01	JP (with	English abstract)				
un	DM	2001-222819	08/1/1/01	ア (with	English abstract)				
w	DN	2001-266402	09/2/3/01	JP (with	English abstract)				
an	DO	2001-322357	11/26/01	JP (with	English abstract)				
m	DP	2002-120458	04/2/5/02	JP (with)	English abstract)				
w	DQ	2002-269808	09/20/02	JP (with	English abstract)				
a	DR	2002-329348	11/1/5/02	JP (with l	English abstract)				
w	DS	2003-105738	04/89/03	JP (with)	English abstract)		177.13		
un	DT	2003-178448	06/2/1/03	JP (with I	English abstract)				
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			U.S	. PATENT I	DOCUMENTS					
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w	EA	6,355,326	03/1/2/02	Lee et al.		428		64.1		
w	EB	6,404,712	06/1/1/02	Lee et al.		369		47.53		
w	EC	6,404,713	06/1/1/02	Ueki		369		47,53		
au	ED	6,416,837	07/99/02	Kojima et	al.	428		64.1		
w	EE	6,528,138	03/94/03	Meinders	et al.	428		64.1		***
W	EF	6,551,679	04/2/2/03	Kuroda et	al.	428		64.1		· ·
M	EG	6,608,799	08/1/8/03	Hozumi		369		13.26		
W	ЕН	6,611,481	08/26/03	Koishi et	al.	369		47.53		
m	E)	6,636,477	10/21/03	Miyamoto	et al.	369		286		• .
W	E)	6,656,559	12/02/03	Mizushim	na et al.	428		64.1		
M	EK	6,660,451	12/09/03	Sakaue et	al.	430		270.13		
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		DOCUMENT NUMBER	DATE		COUNTRY				TRANS	LATIO
la	EL	2003-260874	09/1/6/03	JP (with I	English abstract)	_				
m	EM	2003-326848	11/18/03	JP (with E	English abstract)					
m	EN	2003-054135	02/2/6/03	JP (with I	English abstract)					
w	EO	2004-158134	06/03/04	JP (with E	English abstract)					
N.	ЕP	2004-039177	02/08/04	JP (with E	English abstract)					
w	EQ	2004-087073	03/18/04	JP (with E	English abstract)					
W	ER	3-49054	03/91/91	JP (with E	English abstract)					
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an	FA	6,670,014	12/30/03	Nishihara	et al.	428	64.1		
ur	FB	6,751,184	06/18/04	Kojima et	al.	369	275.2		
asse	FC	6,788,635	09/9/1/04	Aratani et	al.	369	100		
W	FD	6,791,926	09/1/104	Furumiya	et al.	369	53.13		
y 1	FE	6,805,935	10/1/9/04	Ashida et	al.	428	64.1		
W	FF	6,807,142	10/3/9/04	Nagata et	al.	369	275.2		
W	FG	6,841,218	01/1/1/05	Hosoda et	al.	428	64.1		
lu	FH	6,929,840	08/1/8/05	Hosoda et	al.	428	64.1		
in	FI	6,982,111	01/08/06	Mizushim	a et al.	428	64.1		
m	FJ	6,996,055	02/9/1/06	Mishima e	et al.	369	283		
ur	FK	7,002,887	02/21/06	Kakiuchi e	et al.	369	59.12		
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ar	FL	4-298389	10/2/2/92	JP (with E	nglish abstract)	······································			
w	FM	54-133134	10/1/6/79	JP (with E	nglish abstract)				
W	FN	56-124134	09/2/8/81	JP (with E	nglish abstract)	<u> </u>			
m	FO	57-027788	02/15/82	JP (with E	nglish abstract)				
w	FP	59-225992	12/1/5/84	JP (with E	nglish abstract)				
n	FQ	60-160036	08/3/185	JP (with E	nglish abstract)				
a	FR	60-219097	11/9/1/85	JP (with E	nglish abstract)				
m	FS	6-171236	06/21/94	JP (with E	nglish abstract)	······			
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w	GA	7,018,694	03/28/06	Hosoda et	al.	428	64.1		
w	GB	7,142,496	11/28/06	Miyagawa	ret al.	369	59:11		
W	gс	7,167,431	01/22/07	Miura et a	1.	369	59.11		
W	GD	2001/0012257	08/99/01	Suzuki et	al.	369	94		
W	GE	2001/0017833	08/30/01	Yamada e	t al.	369	59.11		
w	OF	2001/0041304	11/1/5/01	Uno et al.		430	270.13		
w	GG	2001/0044073	11/2/2/01	Fukano et	al.	430	270.12		
W	GH	2002/0060979	05/23/02	Tsukuda	et al.	369	275.4		
me	GI	2002/0076646	06/36/02	Zhou et a		430	270.13		
w	נלע	2002/0110063	08/2/5/02	Yamada e	et al.	369	47.39		
W	GK	2002/0160306	10/3/1/02	Hanaoka	et al.	430	270.13		
un	o _r	2003/0086359	05/08/03	Lee et al.		369 -	275.3		
M	СМ	2003/0134229	07/2/103	Yasuda e	tal.	430	270.13		
u-	GN	2003/0165111	09/94/03	Flynn		369	288		
u	\6	2003/0224215	12/04/03	Kondo et	al	428	694 ML		
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w	GP	62-204442	09/98/87	JP (with I	English abstract)				
M	GQ	62-226440	10/95/87	\JP (with I	English abstract)				
m	GR	62-226442	10/98/87	JP (with I	English abstract)				
m	GS	62-245545	10/26/87	JP (with I	English abstract)				
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w	НА	2003/0228539	12/1/03	Hosoda e	al.	430	270.13			
an	нв	2004/0001418	01/91/04	Shinotsul	(a et al.	369	111			
un	нс	2004/0013069	01/22/04	Uno et al.		. 369	59.11			
la	НD	2004/0018334	01/29/04	Nee		428	64.1		:.	
u	HE	2004/0027652	02/1/2/04	Erdogan	et al.	359	359		1	
un	HF	2004/0052176	03/1/8/04	Narumi e	(al.	369	47.39			
u	но	2004/0241581	12/02/04	Kakiuchi	et al.	430	270.12		-	
an	нн	2005/0018590	01/7/1/05	lnoue et a	l.	369	275.2			
u	Hi	2005/0018591	01/2/7/05	Inoue et a	1.	369	275.2			
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m	HK	6-262854	09/20/94	JP (with	English abstract)					
41	HL	7-235465	09/95/95	JP (with	English abstract)					
a	нм	9-007176	01/20/97	JP (with	English abstract)					
m	HN	01/93256 A1	12/0,6701	WO (with	n English abstract)		 		
u_	ю	02/29787	04/1/1/02		n English abstract			†		
w	НР	03/025924	03/27/03		n English abstract		***************************************	†		
W	HQ	1122723 A1	08/9/8/01	EP		•			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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W	IA.	2005/0047301	03/03/05	Inoue et a		369		94		
U	18	2005/0047302	03/02/05	Inoue et a		369	: ::	94		
w	ıc	2005/0047303	03/03/05	Inoue et a		369		94		:
M	ID	2005/0047304	03/02/05	Inoue et a		369		94		
4	ΙE	2005/0047305	03/93/05	Inoue et a		369		94		
U	1F	2005/0047306	03/8/3/05	Inoue et a		369		94		
u	1G	2005/0048249	03/9/3/05	Inoue et a		428		64.4		
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* EXAMINI		Initial if reference consider conformance and not cons	red, whether or ne idered. Include o	ot criteria is in cor opy ofthis form w	nformance with MPEP 609. Direct communication to app	raw line the lican(s).	rough (itation if not in		
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